

The diagram illustrates a control system for a motor drive. The reference input $\underline{\alpha}_{\text{sol}}$ is compared with the feedback signal $\underline{z} = \underline{x} + \underline{y}$ at a summing junction. The resulting error signal is processed by the Controller Regler (4). The output of the controller is summed with the feedforward signal $\underline{m} = \underline{i}_a = \underline{b} \underline{e}$ (5) at another summing junction. The resulting signal is the motor input, which is processed by the motor model $F_H(p)$ (3) to produce the output $\underline{\alpha}$. A disturbance \underline{m}_w is also applied to the motor input. The output $\underline{\alpha}$ is fed back through the disturbance model $F_T(p)$ (2) to produce the feedback signal \underline{x} .

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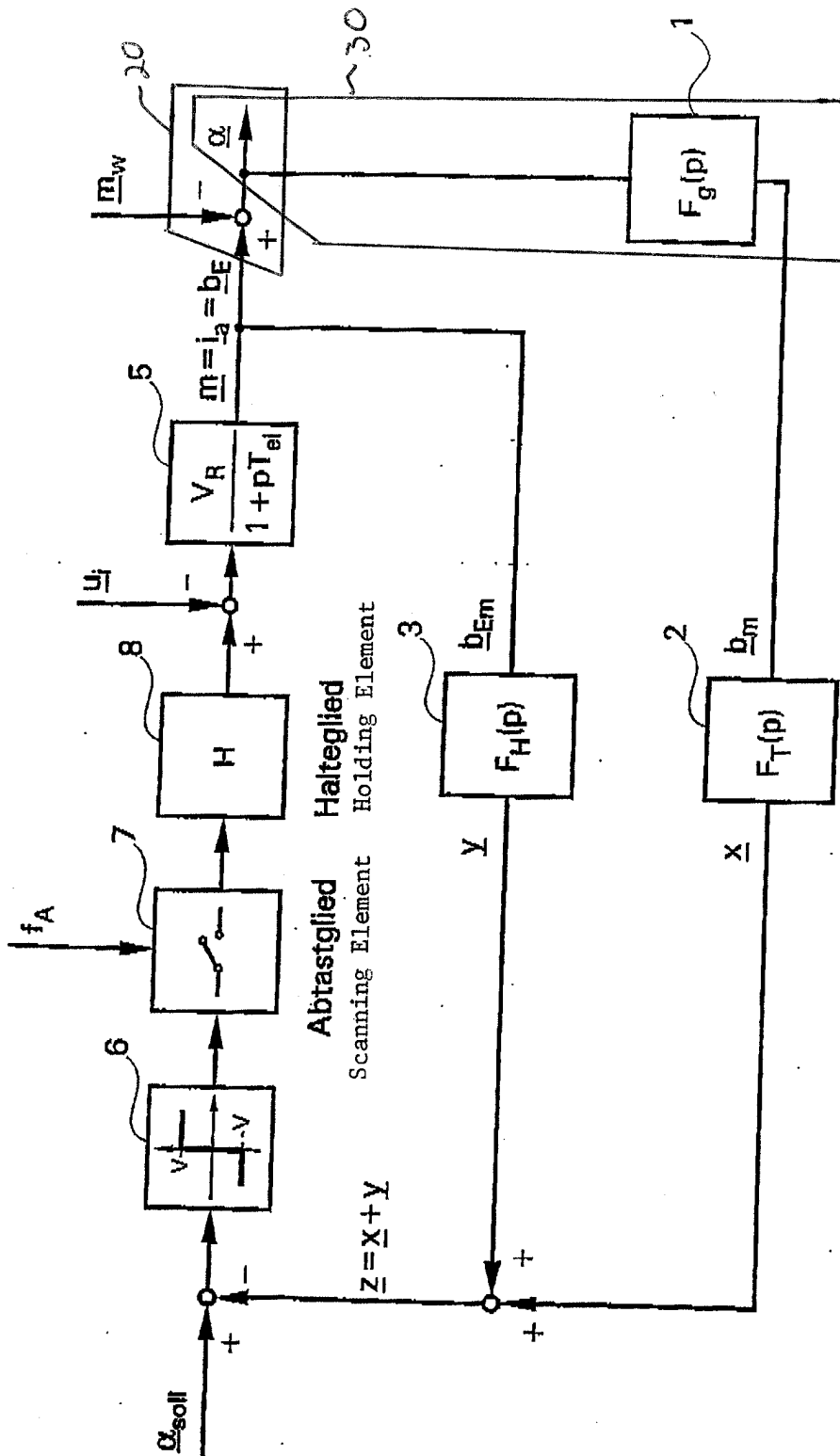
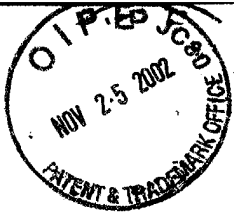


Fig. 2

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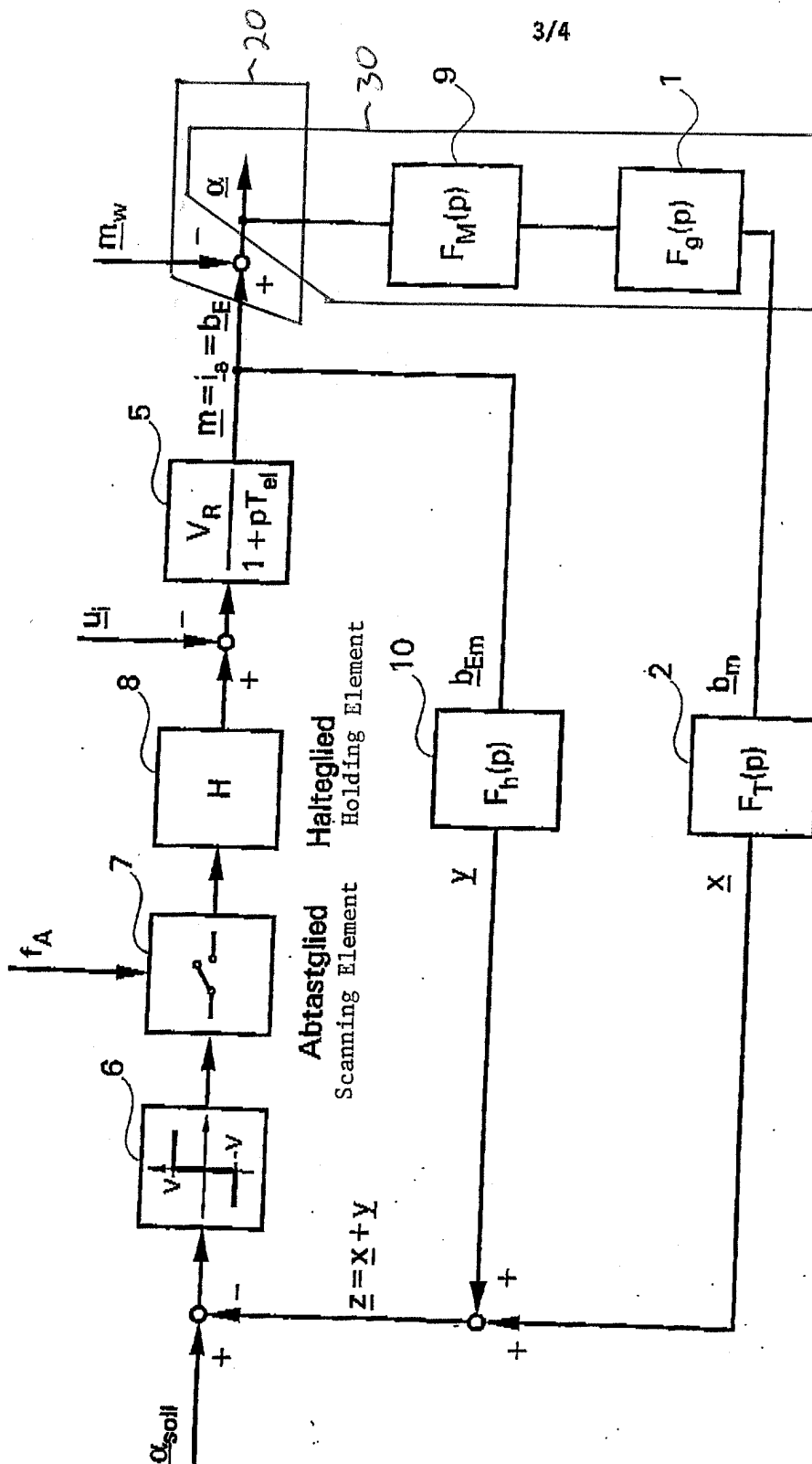


Fig. 3

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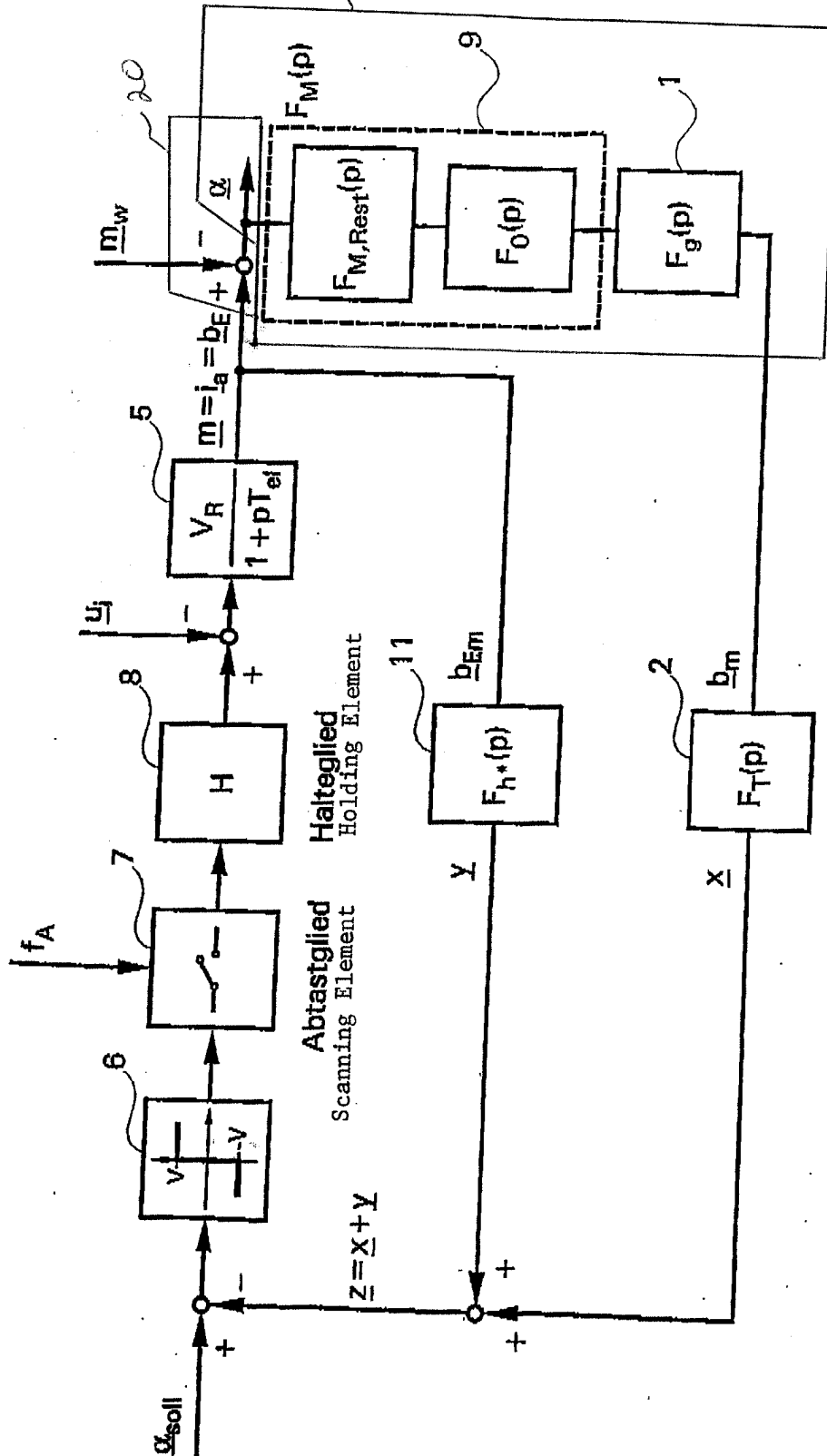


Fig. 4

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